

# SHEEN EVO 2.0

Air-cooled reversible heat pump for outdoor installation  
Capacity from 24,1 to 128 kW

DC INVERTER



Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps".  
Check ongoing validity of certificate on [www.eurovent-certification.com](http://www.eurovent-certification.com)



Heat pump



Air cooled



Outdoor installation



R-32



Hermetic rotary



Hermetic Scroll



Full inverter



Electronic expansion valve



CONTROL4 NRG management



Hybrid system



compliant ErP

- ✓ Full inverter technology with scroll or rotary compressors
- ✓ High temperature solution for harsh climates
- ✓ Refrigerant R32 - GWP = 675
- ✓ Excellence version with very high seasonal efficiency, Premium version with high seasonal efficiency, with extremely compact dimensions
- ✓ Hot water up to 60°C and wide operating range down to -20°C
- ✓ Two acoustic configurations: standard and super-silenced
- ✓ Compatible with CONTROL4 NRG, photovoltaic system, solar thermal system and Smart Grid
- ✓ Available in the Hybrid version in combination with a condensing boiler for instant DHW production

## Versions and configurations

### TYPE OF FANS:

VENDC DC high efficiency fan (Standard)

### ENERGY RECOVERY:

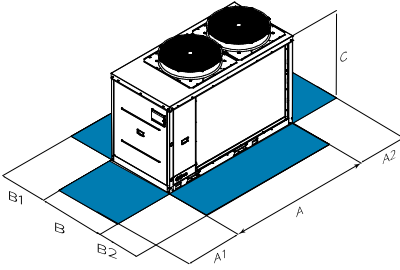
D Partial or total energy recovery (Size 43.2+55.2)

### ACOUSTIC CONFIGURATION:

SC Acoustic configuration with compressor soundproofing (Standard)

EN Supersilenced acoustic configuration

## Dimensions and connections



**CAUTION!**  
For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the blue areas.

The above mentioned data are referred to standard units for the constructive configurations indicated. For all the other configurations, refer to the relative Technical Bulletin.

Size	WISAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	43.2	45.2
SC-EXC A - Length	mm	1960	1960	1960	2304	2304	2304	3330	3330	4004	4004
SC-EXC B - Width	mm	1005	1005	1005	1060	1060	1060	1100	1100	1200	1200
SC-EXC C - Height	mm	1340	1340	1340	1480	1480	1480	1510	1510	1750	1750
SC-EXC A1	mm	800	800	800	800	800	800	800	800	800	800
SC-EXC A2	mm	800	800	800	800	800	800	800	800	800	800
SC-EXC B1	mm	800	800	800	800	800	800	800	800	1300	1300
SC-EXC B2	mm	800	800	800	800	800	800	800	800	1300	1300
SC-EXC Operating weight	kg	323	323	323	500	500	500	830	830	1143	1143

Size	WISAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	40.2	45.2	50.2	55.2
SC-PRM A - Length	mm	1960	1960	1960	2304	2304	2304	3330	3330	3330	2930	2930	2930
SC-PRM B - Width	mm	1005	1005	1005	1060	1060	1060	1100	1100	1100	1200	1200	1200
SC-PRM C - Height	mm	1340	1340	1340	1480	1480	1480	1510	1510	1510	1750	1750	1750
SC-PRM A1	mm	800	800	800	800	800	800	800	800	800	800	800	800
SC-PRM A2	mm	800	800	800	800	800	800	800	800	800	800	800	800
SC-PRM B1	mm	800	800	800	800	800	800	800	800	800	1300	1300	1300
SC-PRM B2	mm	800	800	800	800	800	800	800	800	800	1300	1300	1300
SC-PRM Operating weight	kg	323	323	323	500	500	500	830	830	830	862	862	862

## Technical data

Size	WISAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	43.2	45.2	
SC-EXC Cooling capacity (EN 14511:2022)	(1) kW	24,1	26,6	30,3	43,8	49,7	56,8	70,1	80,2	94,6	107	
SC-EXC Total power input (EN 14511:2022)	(1) kW	7,50	9,11	10,6	14,1	16,4	19,9	22,9	28,0	30,4	34,8	
SC-EXC EER (EN 14511:2022)	(1) -	3,21	2,93	2,87	3,10	3,03	2,85	3,06	2,86	3,12	3,06	
SC-EXC SEER	(4) -	4,81	4,65	4,53	4,32	4,32	4,25	4,24	4,23	4,95	4,93	
SC-EXC n <sub>s,c</sub>	(4) %	189,4	183,0	178,2	169,8	169,8	167,0	166,6	166,2	195,0	194,2	
SC-EXC Heating capacity (EN 14511:2022)	(2) kW	24,3	28,8	34,2	50,5	54,7	63,4	74,9	85,2	98,2	107	
SC-EXC Total power input (EN 14511:2022)	(2) kW	7,29	8,81	10,7	14,2	15,6	19,1	21,5	26,4	29,1	32,1	
SC-EXC COP (EN 14511:2022)	(2) -	3,33	3,27	3,20	3,55	3,51	3,32	3,48	3,23	3,37	3,34	
SC-EXC Refrigeration circuits	Nr	1										
SC-EXC No. of compressors	Nr	1					2					
SC-EXC Type of compressors	-	ROTARY INVERTER					SCROLL INVERTER					
SC-EXC Refrigerant	-	R-32										
SC-EXC Standard power supply	V	400/3~/50										
SC-EXC Sound power level	(3) dB(A)	73	74	75	75	76	78	78	81	82	83	
EN-EXC Sound power level	(3) dB(A)	69	71	72	71	71	72	73	75	77	78	
<b>Directive ErP (Energy Related Products)</b>												
ErP Energy Class - AVERAGE Climate - W35	-	A+++	A+++	A+++	A+++	A+++	A++	A++	A++	A++	-	-
ErP Energy Class - AVERAGE Climate - W35	-	A++	A++	A++	A++	A++	A++	A++	A++	A++	-	-
SCOP - AVERAGE Climate - W35	(4) -	4,54	4,49	4,44	4,46	4,46	4,41	4,33	4,29	4,65	4,60	
n <sub>s,H</sub>	(4) %	179,0	177,0	175,0	175,0	175,0	173,0	170,0	169,0	183,0	181,0	
SCOP - AVERAGE Climate - W55	(4) -	3,24	3,23	3,19	3,24	3,21	3,19	3,20	3,19	3,42	3,38	
n <sub>s,H</sub>	(4) %	127,0	126,0	125,0	127,0	125,0	125,0	125,0	125,0	134,0	132,0	

Size	WISAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	40.2	45.2	50.2	55.2
SC-PRM Cooling capacity (EN 14511:2022)	(1) kW	25,2	27,6	32,2	45,7	52,1	60,7	74,3	86,2	94,2	111	121	128
SC-PRM Total power input (EN 14511:2022)	(1) kW	8,35	10,1	11,8	15,4	18,1	22,0	25,6	31,5	35,8	40,8	46,4	51,1
SC-PRM EER (EN 14511:2022)	(1) -	3,03	2,74	2,73	2,96	2,88	2,75	2,91	2,73	2,63	2,71	2,61	2,51
SC-PRM SEER	(4) -	4,50	4,40	4,24	4,04	4,09	4,07	3,96	3,91	3,87	4,67	4,54	4,42
SC-PRM n <sub>s,c</sub>	(4) %	177,0	173,0	166,6	158,5	160,6	159,8	155,4	153,4	151,8	183,8	178,6	173,8
SC-PRM Heating capacity (EN 14511:2022)	(2) kW	27,0	29,8	35,7	52,5	57,9	66,6	78,5	91,2	102	117	129	138
SC-PRM Total power input (EN 14511:2022)	(2) kW	8,41	9,32	11,3	15,8	17,6	21,2	23,5	29,9	35,5	36,6	40,6	43,9
SC-PRM COP (EN 14511:2022)	(2) -	3,21	3,20	3,15	3,33	3,29	3,14	3,34	3,05	2,88	3,21	3,18	3,15
SC-PRM Refrigeration circuits	Nr	1											
SC-PRM No. of compressors	Nr	1					2						
SC-PRM Type of compressors	-	ROTARY INVERTER					SCROLL INVERTER						
SC-PRM Refrigerant	-	R-32											
SC-PRM Standard power supply	V	400/3~/50											
SC-PRM Sound power level	(3) dB(A)	75	76	77	77	78	80	80	83	83	84	85	85
EN-PRM Sound power level	(3) dB(A)	72	73	73	73	73	74	76	77	78	79	80	80
<b>Directive ErP (Energy Related Products)</b>													
ErP Energy Class - AVERAGE Climate - W35	-	A++	A++	A++	A++	A++	A++	A++	A++	A++	-	-	-
SCOP - AVERAGE Climate - W35	(4) -	4,29	4,22	4,11	4,22	4,19	4,17	4,12	4,08	4,13	4,11	4,07	4,04
n <sub>s,H</sub>	(4) %	169,0	166,0	161,0	166,0	165,0	164,0	162,0	160,0	162,0	161,0	160,0	159,0

(1) Data calculated in compliance with Standard EN 14511:2022 referred to the following conditions: Internal exchanger water temperature = 12/7°C; Outdoor heat exchanger inlet air temperature = 35°C

(2) Data calculated in compliance with Standard EN 14511:2022 referred to the following conditions: Internal exchanger water temperature = 40/45°C; Outdoor heat exchanger inlet air temperature 7 D.B. /6 (°C) W.B.

(3) Sound pressure levels are referred to units operating at nominal load in nominal conditions. Measurements are carried out accordingly to UNI EN ISO 9614-1 at nominal standard conditions defined in respective regulations: EU 2016/2281, UE 813/2013, UE 811/2013.

(4) Data calculated according to the EN 14825:2022 Regulation

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 811/2013 (rated heat output ≤70 kW at specified reference conditions), the Commission delegated Regulation (EU) No 813/2013 (rated heat output ≤400 kW at specified reference conditions).

## Accessories

HYGU1	User side hydronic assembly with 1 ON/OFF pump	PGFCX	Finned coil protection grilles
HYGU1VI	Hydronic unit on user side with an integrated inverter pump (sizes 10.1 to 40.2)	CCCA	Copper / aluminium condenser coil with acrylic lining
HYGU1V	Hydronic unit on user side with one inverter pump (sizes 43.2 to 55.2)	CCCA1	Condenser coil with Aluminium Energy Guard DCC treatment
HYGU2	Hydronic unit on user side with 2 on-off pumps (sizes 43.2 to 55.2)	TCDC	Condensate collection pan with electric heater
HYGU2V	Hydronic unit on user side with 2 inverter pumps (sizes 43.2 to 55.2)	CMSC13X	Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP superviso
ACC	Storage tank	VACS	DHW switching valve
IFWX	Steel mesh filter on the water side	VACSX	Switching valve for DHW production
IFWI	Steel mesh strainer on the water side include in the packaging	AVIBX	Anti-vibration mount support
REMAU	Additional board for advanced function management	AVIBI	Advanced remote control module for auxiliary controls of sheen/storm units
PGFC	Finned coil protection grilles	AMMSX	Spring anti-seismic antivibration mounts
		IOTX	IoT industrial module for cloud based interoperability & services

Accessories whose code ends with "X" are supplied separately